BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements toRoads,Drains and Construction of Culverts at Dasarahalli Village in Ward No-09..

Name of Contractor:Sri. P.Vishwanath#28,2nd Cross,Ganganagar,,,Bangalore.

Name of the Division: Byatarayanapura Division.

ABSTRACT (1st and Final Bill).

BOQNO	Unit	Description	Quantity	Rate	Amount
1		Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.			
Pre - Page no - 01		ward no .09	**350.40**		
	Cum	Total Quantity	**350.40**	170.00	59568.00
2		Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)			
		Mix 1:3:6(M10) Using 40 mm nominal size graded crushed coarse aggregates (vol 01-page no I 2.1.2) Sr2022-23 Vol-01 itno-2.1.2			
Pre-Page no - 02		ward no .09	**46.98**		
	Cum	Total Quantity	**46.98**	5000.00	234900.00
3		Providing Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : SR 21-22 Page no 9 I no 5.1.1 Vol -2			
		ward no .09	**5.67**		
	Cum	Total Quantity	**5.67**	5000.00	28350.00
4		Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. SR21-22 VOL -02 Page no 44 i no 8.19.1			
Pre - Page - 3		ward no .09	**10.80**		
	Cum	Total Quantity	**10.80**	261.80	2827.00
5		Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other			

	M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates SR-2022-23 Vol -01 itno-2.2.1.1.				
Pre-	Page - 6	ward no .09	**105.84**		
	Cum	Total Quantity	**105.84**	5500.00	582120.00
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.SR2022-23 Volno-03 itno-13.1				
Pre-page-5		ward no .09	**6.35**		
	Cum	Total Quantity	**6.35**	80000.00	508000.00
7	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)				
Pre-page-4	Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates				
		ward no .09	**2.70**		
	Cum	Total Quantity	**2.70**	6003.00	16208.00
8	Supplying and fixing Pre cast reinforced concrete slab 10cm thick including cost of rinforcement as per design and drawing courses cost of all materials, labour complete as per specifications. Specification				
Pre-	Page-30	ward no .09	**302.40**		
	Cum	Total Quantity	**302.40**	1800.00	544320.00
9	Supplying and fixing Pre cast reinforced concrete slab 25cm thick including cost of rinforcement as per design and drawing courses cost of all materials, labour complete as per specifications. Specification				
Pre-	Page - 7	ward no .09	**9.00**		
	Cum	Total Quantity	**9.00**	5415.00	48735.00
10	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202				
Pre-	page - 7	ward no .09	**113.40**		
	Cum	Total Quantity	**113.40**	440.00	49896.00
11	KSRRB M600-1. Construction of dry lean cement concrete sub-base over aprepared sub-grade mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. . MORTH Specification No. 601				
Pre-	Page- 8	ward no .09	**75.60**		
	Cum	Total Quantity	**75.60**	4000.00	302400.00

12	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.				
		ward no .09	**113.40**		
	Cum	Total Quantity	**113.40**	6291.00	713399.00
13	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 PWD SR 2018-19 (P-136, It.No. 17.1)				
		ward no .09	**315.36**		
	Cum	Total Quantity	**315.36**	70.00	22075.00
14	Cost of Haulage Excluding loading and unloading taking output 18ton load and lead 10km=				
		ward no .09	**403.66**		
	Cum	Total Quantity	**403.66**	100.00	40366.00
15		**SUB Total**			3153164.00
16		**Add G.S.T Charges 18%**			567569.52
17		**Grand Sub Total**			**3720733.52**

Asst Engineer
Ward no.09,BBMP
30.3.2023

Asst Executive Engineer
Kodigehalli Sub Division
BBMP
30/2/23
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore